

Substitute Form PTO-1449
(Modified)

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.
00614-078003

Application No.

**Information Disclosure Statement
by Applicant**

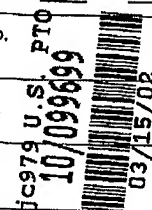
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
John R. Saxelby, Jr. et al.

Filing Date

Group Art Unit



U.S. Patent Documents

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
JRM	AA	4,336,009	06/22/1982	Wolf			
	AB	3,408,438	10/29/1968	Staunton			
	AC	2,724,864	11/29/1955	Krotz			
	AD	2,937,409	05/24/1960	Cole			
	AE	3,354,529	11/28/1967	James			
	AF	3,238,287	03/01/1966	Chapman			
	AG	3,539,675	11/10/1970	Hugill			
	AH	4,029,388	06/14/1977	Knoll			
	AI	2,669,753	02/23/1954	Hormann			
	AJ	5,028,987	07/02/1991	Neugebauer et al.			
	AK	4,688,152	08/18/1987	Chia			
	AL	4,868,349	09/19/1989	Chia			
	AM	4,528,749	07/16/1985	Heft			
	AN	4,823,234	04/18/1989	Konishi et al.			
	AO	5,395,226	03/07/1995	Sakai et al.			
	AP	4,861,251	08/29/1989	Moitzger			
	AQ	4,881,884	11/21/1989	De'Ath			
	AR	5,334,857	08/02/1994	Mennitt et al.			
	AS	5,365,403	11/15/1994	Vinciarelli et al.			
	AT	5,019,946	05/28/1991	Eichelberger et al.			
AU	4,769,525	09/06/1988	Leatham				
AV	4,953,005	08/28/1990	Carlson et al.				
AW	4,918,811	04/24/1990	Eichelberger et al.				
AX	4,783,695	11/08/1988	Eichelberger et al.				
AY	4,750,089	06/07/1988	Derryberry et al.				
AZ	4,724,283	02/09/1988	Shimada et al.				
AAA	4,551,747	11/05/1985	Gilbert et al.				

Examiner Signature

Jeremy Norris

Date Considered

3-10-03

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<i>Jon</i>	ABB	4,551,746	11/05/1985	Gilbert et al.			
	ACC	3,621,338	11/16/1971	Rogers et al.			
	ADD	3,683,241	08/08/1972	Duncan			
	AEE	4,400,762	08/23/1983	Bartley et al.			
	AFF	3,737,729	06/05/1973	Carney			
	AGG	4,879,630	11/07/1989	Boucard et al.			
	AHH	4,899,257	02/06/1990	Yamamoto			
	AII	4,554,613	11/19/1985	Kaufman			
	AJJ	4,724,514	02/09/1988	Kaufman			
	AKK	4,691,265	09/01/1987	Calver et al.			
	ALL	3,769,702	11/06/1973	Scarborough			
	AMM	4,750,092	06/07/1988	Werther			
	ANN	4,736,520	04/12/1988	Morris			
	AOO	5,206,986	05/04/1993	Arai et al.			
	APP	5,375,322	12/27/1994	Leeb			
	AQQ	4,933,042	06/12/1990	Eichelberger et al.			
	ARR	5,331,203	07/19/1994	Wojnarowski et al.			
	ASS	4,783,697	11/08/1988	Benenati et al.			
	ATT	4,740,414	04/26/1988	Shaheen			
	AUU	4,218,724	08/19/1980	Kaufman			
	AVV	5,326,243	07/05/1994	Fierkens			
	AWW	5,344,600	09/06/1994	McShane et al.			
	AXX	5,356,283	10/18/1994	Hamada et al.			
	AYY	5,626,887	05/06/1997	Chou et al.			
	AZZ	4,615,857	10/07/1986	Baird			
	AAAA	5,637,273	06/10/1997	Goo			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Signature <i>Jeremy Norris</i>	Date Considered <i>3-10-03</i>
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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
401	ABBB	55-118640	09/11/1980	Japan w/Engl. Abst.	264	272.17		X
	ACCC	4-23442	01/27/1992	Japan w/Engl. Abst.	29	856		X
	ADDD	60-76130	04/30/1985	Japan w/Engl. Abst.	437	211		X
	AEEE	62-32622	02/12/1987	Japan w/Engl. Abst.	437	207		X
	AFFF	53-124075	10/30/1978	Japan w/Engl. Abst.	264	272.17		X
	AGGG	63-172433	07/16/1988	Japan w/Engl. Abst.	264	272.17		X
	AHHH	62-193131	08/25/1987	Japan w/Engl. Abst.	149	95		X
	AIHH	61-193460	08/27/1986	Japan w/Engl. Abst.	437	219		X
	AJJJ	1-161892	06/26/1989	Japan	H05K	3/38		X
	AKKK	4-346260	12/02/1992	Japan	H01L	25/18		X
	ALLL	4-83367	03/17/1992	Japan	C04B	37/02		X
	AMMM	6-48851	02/22/1994	Japan	H05K	3/38		X
	ANNN	6-90083	03/29/1994	Japan	H05K	3/38		X
	AOOO	61-156791	07/16/1986	Japan	H05K	3/20		X
	APPP	61-177762	08/09/1986	Japan	H01L	23/48		X
	AQQQ	63-119242	05/23/1988	Japan	H01L	21/52		X
	ARRR	0 577 484 A1	01/05/1994	EPO	C04B	37/02		X
	ASSS	92 17 155.9	02/18/1993	Germany	H05K	1/14		X
	ATTT	91 00 467.5	05/21/1992	Germany	H05K	7/14		X
	AUUU	61-292926	12/23/1986	Japan	264	272.17		X
	AVVV	63-7638	01/13/1988	Japan	264	272.17		X
	AWWW	5-315385	11/26/1993	Japan	264	272.17		X
	AXXX	63-28042	02/05/1988	Japan	264	272.17		X
	AYYY	60-30144	02/15/1985	Japan	425	117		X
	AZZZ	61-272940	12/03/1986	Japan	425	117		X

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
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Examiner Signature

Jeremy Morris

Date Considered

3-10-03

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	Filing Date	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
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<i>Jen</i>	AAAAA	Electronics Products, "Ball grid array package challenges quad flatpack", p 19, April 1993.
	BBBBB	Finnemore et al., Application Serial No. 08/157,936.
	CCCCC	Vinciarelli et al., Application Serial No. 08/337,269.
	DDDDD	

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